

Converting Colors

$Yxy(90.3553, 0.3923, 0.4878)$

Have a look what the booklet for
Yxy(90.3553, 0.3923, 0.4878)
contains.

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Color

Yxy(90.3530, 0.3923, 0.4878)

Conversions

Conversions Part 1

Format	Color
Hex	EEFF55
RGB	238, 255, 85
RGB Percent	93%, 100%, 33%
CMY	0.0666, 0.0000, 0.6666
CMYK	0.07, 0.00, 0.67, 0.00
HSL	66°, 100%, 67%
HSV	66°, 67%, 100%
XYZ	72.6640, 90.3530, 22.2085
YIQ	230.5370, 44.4380, -56.4740

Conversions

Conversions Part 2

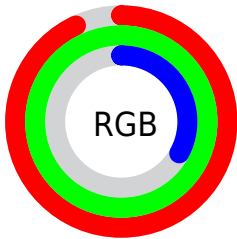
Format	Color
R_{YB}	85, 255, 102
Decimal	15662933
CIE _{Lab}	96.14, -26.18, 75.62
CIE _{LCh}	96, 80.026, 109.099
Yxy	90.3530, 0.3923, 0.4878
Android (android.graphics.Color)	4293853013 (0xFFEEFF55)
YUV	230.5370, -71.7497, 6.5451
Hunter-Lab	95.0542, -29.8909, 52.6854

Details

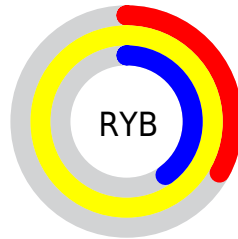
The Yxy color **90.3530, 0.3923, 0.4878** is a light color, and the websafe version is hex **FFFF66**. The color can be described as light muted yellow. A complement of this color would be **16.5464, 0.1917, 0.1184**, and the grayscale version is **80.0725, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.7632, 0.3782, 0.4373**, and **49.9894, 0.4017, 0.5172** is the 20% darker color. If you saturate the color by 10%, you get **89.5829, 0.3980, 0.5024**, and if you desaturate by 10%, it is **91.2812, 0.3840, 0.4691**.

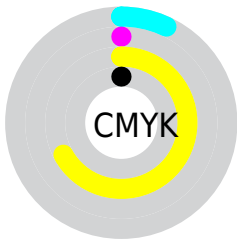
Distribution



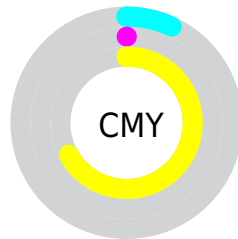
- Red (93%)
- Green (100%)
- Blue (33%)



- Red (33%)
- Yellow (100%)
- Blue (40%)



- Cyan (7%)
- Magenta (0%)
- Yellow (67%)
- Black (0%)





- Cyan (7%)
- Magenta (0%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 90.3530, 0.3923, 0.4878 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 90.3530, 0.3923, 0.4878 by changing the saturation by 10% instead.


 90.3530, 0.3923,
0.4878


 90.3530, 0.3923,
0.4878


529.1785, 0.3629,
0.4184

 68.2735, 0.3968,
0.5017


 147.8286, 0.3839,
0.4651


 50.1202, 0.4011,
0.5178

 183.9935, 0.3801,
0.4559

 35.5089, 0.4047,
0.5362


 225.6223, 0.3766,
0.4477

 24.0552, 0.4066,
0.5569

 273.0994, 0.3733,
0.4405

 15.3746, 0.4068,
0.5828

326.8091, 0.3704,
0.4340

 9.0827, 0.3959,
0.6041


387.1360, 0.3677,


 4.7952, 0.3734,


0.4283


0.6266


454.4643, 0.3652,
0.4231


 2.1276, 0.3364,
0.6636


 0.6801, 0.0104,
0.9896


 90.3530, 0.3923,
0.4878


 90.3530, 0.3923,
0.4878


 89.5829, 0.3980,
0.5024


 91.2812, 0.3840,
0.4691


 88.9455, 0.4011,
0.5124


 92.3727, 0.3736,
0.4470


 88.4229, 0.4017,
0.5181

 93.6430, 0.3616,
0.4226

 88.2633, 0.4015,
0.5194

 95.1033, 0.3486,
0.3969

 96.7639, 0.3350,
0.3709

 98.6343, 0.3215,
0.3454

100.0000, 0.3127,
0.3290

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.3530, 0.4592, 0.4405



90.3530, 0.3923, 0.4878



90.3530, 0.3092, 0.4858

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



90.3530, 0.3923, 0.4878



90.3530, 0.1628, 0.2417



90.3530, 0.3871, 0.2592

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



90.3530, 0.3923, 0.4878



16.5464, 0.1917, 0.1184

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



90.3530, 0.2950, 0.2179



90.3530, 0.3923, 0.4878



90.3530, 0.1766, 0.2044

Square

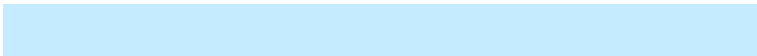
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



90.3530, 0.3923, 0.4878



90.3530, 0.1803, 0.3160



90.3530, 0.2207, 0.1982



90.3530, 0.4632, 0.3151

Rectangle

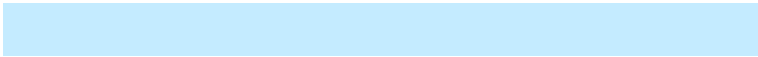
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



90.3530, 0.3923, 0.4878



90.3530, 0.2554, 0.4448



90.3530, 0.2207, 0.1982



90.3530, 0.3561, 0.2434

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



90.3559, 0.3923, 0.4878



96.1858, 0.3396, 0.3796



30.8760, 0.5245, 0.3419



20.4875, 0.3434, 0.3869



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



90.3559, 0.3923, 0.4878



89.3556, 0.3994, 0.5062



79.2291, 0.3371, 0.5229



20.9931, 0.3254, 0.3526



46.1571, 0.4018, 0.5191



4.5197, 0.4040, 0.5175

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



16.5464, 0.1917, 0.1184



10.9419, 0.1703, 0.0852



23.9333, 0.2536, 0.1476



17.4646, 0.2994, 0.3045



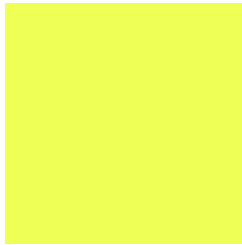
3.9122, 0.1533, 0.0618



0.4084, 0.1598, 0.0654

Previews

White Background



This preview shows how the Yxy color 90.3530, 0.3923, 0.4878 looks on a white background.

Color Contrast Check

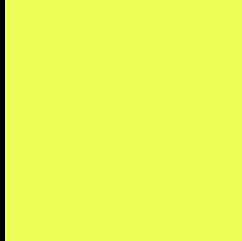
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 90.3530, 0.3923, 0.4878 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

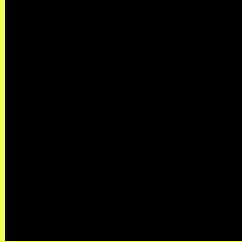
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 90.3530, 0.3923, 0.4878

Background



This preview shows how black text looks on a background with the Yxy color 90.3530, 0.3923, 0.4878.

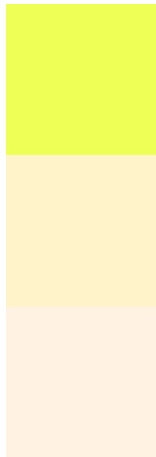


This preview shows how white text looks on a background with the Yxy color 90.3530, 0.3923, 0.4878.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

90.3530, 0.3923, 0.4878

Protanopia

90.1784, 0.3469, 0.3718

Deuteranopia

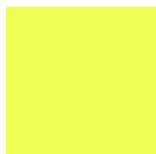
90.2552, 0.3313, 0.3448



Tritanopia

89.8357, 0.3121, 0.3136

Trichromacy



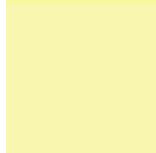
Original Color

90.3530, 0.3923, 0.4878



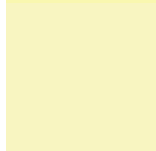
Protanomaly

89.7777, 0.3676, 0.4183



Deuteranomaly

89.7564, 0.3583, 0.4016



Tritanomaly

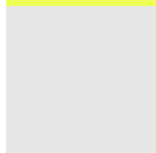
89.1115, 0.3469, 0.3817

Monochromacy



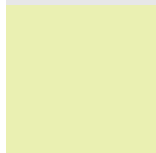
Original Color

90.3530, 0.3923, 0.4878



Achromatopsia

79.9103, 0.3127, 0.3290



Achromatomaly

83.0270, 0.3475, 0.3945

CSS Examples

Text

The CSS property to change the color of the text to Yxy 90.3530, 0.3923, 0.4878 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(238, 255, 85)` looks like.

```
.text, #text, p{  
    color:rgb(238, 255, 85)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(238, 255, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 255, 85) }
```

Border

The CSS property to change the border of an element to Yxy 90.3530, 0.3923, 0.4878 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(238, 255, 85) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(238, 255, 85) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(238, 255, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 255, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 255, 85);  
box-shadow:4px 4px 4px 4px rgb(238, 255,  
85) }
```


Background

The CSS property to change the background color of an element to Yxy 90.3530, 0.3923, 0.4878 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 255, 85) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(238,  
255, 85) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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